19971025.qrp v00_n889.qrs.971025

Date: Sat, 25 Oct 1997 19:03:21 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 889

QRP-L Digest 889

Topics covered in this issue include:

  1) [29584] Revised Pixie2
     by fmathews@norfolk.infi.net (Frank Matthews)
  2) [29584] Pre-CQ WW DX 20m Bandcheck
     by "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
  3) [29585] 1SS101? diode
     by "J. Skalski" <jskalski@acsu.buffalo.edu>
  4) [29586] UNIQUE QSL
     by George Gingell <k3tks@u1.abs.net>
  5) [29587] SUNDAY N/T+ FOX TIME
     by ARDUJENSKI@aol.com
  6) [29588] Shielded loop Rx ant.
     by Steven Weber <kd1jv@moose.ncia.net>
  7) [29589] Fox: New England Pack
     by Ken Freedman <n1qqv@cshore.com>
  8) [29590] NorCal paddle specs?
     by "Greg K. Pollard" <cwgreg@worldnet.att.net>
  9) [29591] Garcia Marquez repeat request
     by NilsBull@aol.com
 10) [29592] NorCal Paddle Mod
     by Jerry Parker <jparker@fix.net>
 11) [29593] Contest Software Survey
     by Ken Newman <n2cq@comten.com>
 12) [29594] Re: NorCal Paddle Mod
     by Paul Helbert <phelbert@rica.net>
 13) [29595] Help xref zener
     by "Bruce C. Williams" <n9jcv@wwa.com>
 14) [29596] REPOST: JOY back on the street ... Hot Damn!
     by Adrian Weiss <aweiss@sunflowr.usd.edu>
 15) [29597] Re: 1SS101? diode
     by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
 16) [29598] Re: How to use QRP Ten Tec on 6M
     by "Daniel L. Evans" <dlevans@hsonline.net>
 17) [29599] Re: [29461] Copper to Aluminum, HOW?
     by INTERNET BUSINESS CENTER <ibc@omega.bg>
 18) [29600] Re: 1SS101? diode
     by "Basil (Darin) Arrick" <basila@OnRamp.NET>
 19) [29601] Re: Contest Software Survey

    by "Marshall Emm" <mgemm@mtechnologies.com>
20) [29602] Re: 1SS101? diode
    by n5inz@juno.com (John M Andrews)
21) [29603] Re: [29567] RE: How to use QRP Ten Tec on 6M
    by INTERNET BUSINESS CENTER <ibc@omega.bg>
22) [29604] SST Schematic
    by INTERNET BUSINESS CENTER <ibc@omega.bg>
23) [29605] Pixie2 Revision
    by fmathews@norfolk.infi.net (Frank Matthews)
24) [29606] Armadillos
    by "Owen 'OJ' Quarles" <k1oj@swbell.net>
25) [29607] Re: FOX...POX...: some thoughts
    by "William R. Moore" <wr.moore@worldnet.att.net>
26) [29608] Re: FOX...POX...: some thoughts
    by Paul Erickson <paul1@wizard.ucs.sfu.ca>
27) [29609] Re: How to use QRP Ten Tec on 6M
    by w4bws@juno.com (Donald E Sanders)
28) [29610] FYBO wx...'Snowed in' ...CO
    by Steve Galchutt <n0tu@webaccess.net>
29) [29611] Re: Contest Software Survey
    by Richard Sherman <srichard@aldus.northnet.org>
30) [29612] Re: Contest Software Survey
    by "Bob Edwards, W4ED" <w4ed@flash.net>
31) [29613] NW QRP "Graphics" NWQ now OK!
    by Bill Todd <bill@techline.com>
32) [29614] Paddle kit mods
    by Steven Weber <kd1jv@moose.ncia.net>
33) [29615] Nothing Better to Do
    by "Marshall Emm" <mgemm@mtechnologies.com>
34) [29616] Re: FYBO wx...'Snowed in' ...CO
    by Joe Gervais <vole@primenet.com>
35) [29617] Re: Paddle kit mods
    by Monte Stark <ku7y@sage.dri.edu>
36) [29618] Re: FOX: Fox Team Standings
    by Monte Stark <ku7y@sage.dri.edu>
37) [29619] Re: Contest Software Survey
    by Monte Stark <ku7y@sage.dri.edu>
38) [29618] Armadillo Sprint - Prizes?
    by Joe Gervais <vole@primenet.com>
39) [29618] Re: Contest Software Survey
    by "Marshall Emm" <mgemm@mtechnologies.com>
40) [29618] Re: Nothing Better to Do
    by K6MW@worldinfonet.com
41) [29619] Texas Armadillo Chase....Prize List
    by "Owen 'OJ' Quarles" <k1oj@swbell.net>
42) [29620] Re: Nothing Better to Do
    by "John A. Evans - N0HJ" <jaevans@codenet.net>
43) [29621] CT software web site

    by Roger Hightower <n7kt@dancris.com>
 44) [29622] RE: nothing to do
    by jdenison@morelr.com (JOEL DENISON)
 45) [29623] Taiwan qsl
    by n0bf@juno.com (Stephen C Stuntz)
 46) [29624] Re: Nothing Better to Do
    by "Marshall Emm" <mgemm@mtechnologies.com>
 47) [29625] 40M Crystal for HW 9 FOUND !!
    by "Fred Bennett" <fbennett@iquest.net>
 48) [29626] Time to unload some of this stuff
    by cleveland@usa.net (Grover K7TP)

Date: Fri, 24 Oct 1997 19:40:44 -0400 (EDT)
From: fmathews@norfolk.infi.net (Frank Matthews)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29584] Revised Pixie2
Message-ID: <v01530502b076a6d8818d@[208.131.170.36]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fellow QRP-Lers,

        I've really been having some fun lately playing with the Pixie2. I have revised the pc board to include the following:

        A home for R5 (you no longer have to "tack solder" it to the bottom).
        A home for the negative battery terminal lead.
        A means of switching between two capacitors in line with the XTAL in order to provide an
        offset (for Rx) as well as "rubbering" (for TX).
        Provided a little more room for C11 so it wouldn't hug the 386 chip.
        Provided space and marks for drilling the pc board in all four corners for mounting purposes.
        (Board now measures 1.5" X 2.5") Still fits in the Altoids!

        I completed the pc board today as well as etched and drilled it. If you have the means of doing your own pc boards or would just like a copy of the artwork, just drop me a line and I'll send an attached file which will include the pc foil pattern as well as parts layout for your enjoyment.

Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
Chesapeake, VA 23320
fmathews@norfolk.infi.net
KC4FKX QRP-L #1079 CQC #434 NorCal #2232 AK/QRP #199
Grid Square FM16

Date: Fri, 24 Oct 1997 20:07:32 -0400 (EDT)
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
To: qrp-l@Lehigh.EDU
Subject: [29584] Pre-CQ WW DX 20m Bandcheck
Message-ID: <Pine.A32.3.93.971024194504.31572A-100000@weyl.math.Virginia.EDU>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was feeling sorry for myself because my 10 W linear had burned up and one end of my 20m dipole had fallen down onto the roof, with no time to fix either before CQ WW DX. (OK, there is time to fix the antenna -- if I could talk myself into doing antenna work in the pouring rain. Not tonight, anyway. Maybe for FD!) Then I thought: This isn't a broken down dipole, it's a half-wave VERTICAL. It tunes up great on the Z-match. The WM-20 revealed a quiet band with booming DX signals. Running 4 W SSB I got a 5X7 report from EA3JE and a 5X5 from 9A1HDE. Sure, I'll admit I answered the EA3 when he was calling "CQ W7 and KL7". I love it!

72, Ralph N7RI
Charlottesville VA

Date: Fri, 24 Oct 1997 20:34:38 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [29585] 1SS101? diode
Message-ID: <Pine.GSO.3.96.971024202125.6423C-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello.
I have my FT1000D on the bench. Boo hoo.
I seem to have located the problem. The symptoms were :
the SWR read *high* , the meter said 5:1 or better with or without the automatic antoona tenner.

The power folds back to 3 watts (not that there is anything wrong with that) It shouldn't *always* do that.

There is a little SWR circuit on the LPF board which is the bandpass filter board. Two of the four diodes in the swr circuit seem to have blowed out.

The schematic says that they are 1SS101 diodes. Is this a foreign diode number or a Yaesu stock number? I need two to replace the 2 blown diodes the first time....and maybe 2 spares to replace it a second time :-)
Any idea of subs would be good also.

Any help on locating these little guys would be appreciated.

My other rig " the yaesu Man Pack--FT70GC" is also kaput but that is another sad story for another episode. At this rate the Foxes will run right past this shack and not have to worry about being caught.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 24 Oct 1997 21:00:32 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>, G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>, "N.J. QRP Club List Server" <njqrp@njqrp.org>,
     Dave Johnson KnightLite QRP Club <klqrp@acpub.duke.edu>
Subject: [29586] UNIQUE QSL
Message-ID: <Pine.BSI.3.96.971024202337.21179B-100000@u1.abs.net>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Talk about a Surprise! I found this USPS Priority mail in the box this afternoon. Gee, I don't recall ordering any kits this week. :^)

Upon opening, to my surprise is a Familar Bright Yellow Book, "The JOY of QRP" by Ade Weiss, W0RSP. Personally Autographed and included confirmation of our recent Fall QSO Party QSO 2 way QRPp.

Next thing you know I am flipping thru it reading here and there. Lots of memories and friends along with a wealth of useful information.

Ade has added about a dozen pages to this version with updates on a wide variety of information including New QRP Clubs and how to Acdess the Internet groups like QRP-L and others. He has updated the QRPp and Milliwatt Awards lists and provided information related to corrections to Volume one and how to order his books. "The JOY of QRP" and "The History of QRP in the U.S."

MILLIWATT Books, 526 N. Dakota St. Vermillion, SD 57069

The JoY is $ 23.00 Postpaid in U.S. and The History is $ 15.00 Postpaid in U.S. ($ 10.00 Seniors) $17.50 Foreign.

Ade Weiss can also be reached via email at <aweiss@charlie.usd.edu>

Believe it or not, even though it was updated in August of 1997, some of the information has become outdated already.

Please note that page 158 lists QRP ARCI Club information incorrectly.

The current Information is $ 15 U.S., $ 18.00 Canada, $ 20 DX (L 13.50 UK) Payment to "QRP-ARCI" mailed to Ken Evans, W4DU 848 Valbrook Court, Lilburn, GA 30047.

DX can be made out to "G-QRP" in UK Pounds ONLY and sent to Dick Pascoe, G0BPS Seaview House, Crete Road East, Folkstone, Kent CT18 7EG United Kingdom.

I recommend both books to all who are interested in QRP. No library is complete with out them.

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Fri, 24 Oct 1997 21:14:59 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [29587] SUNDAY N/T+ FOX TIME
Message-ID: <971024211250_1860015386@emout08.mail.aol.com>

For those who don't have the scheduleSunday nite N/T+ fox time is
(0200-0400 UTC MONDAY).

If you are going to aim those beams I live in Woodinville, WA 30 miles NE of
Seattle.

Hope to see (hear) ya

Alan KB7MBI

Date: Fri, 24 Oct 1997 20:45:58
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [29588] Shielded loop Rx ant.
Message-ID: <3.0.1.16.19971024204558.26b74ef2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

I just hacked together a small shielded loop out of about 9 ft of RG 8 mini
coax. With the bottom of the loop about 5 ft off the ground (sitting on a
counter top) it hears as well or better than the outdoor W3EDP antenna. (40
meters)

Hmmm, it seems to work well enough to warrent building a little more
permenet, optimizing the impeadance matching buffer and figuring out a way
to automaticly switch between the shieled loop and the transmiting ant.

A few quick details for any who might be interested, The coax braid is
split (opened up) at the top of the loop. Make about a one inch gap between
the braid.The braid at the ends is connected to ground. The loop is tuned

with a small air variable cap, looks like its set to about 25 pfd. (the cap goes across the center conductors on the ends at the bottom) An active impeadance matching circuit is made with two J310 jfets connected as buffers. The gates connect to each side of the tuning cap and a feritte toriod is connected across the two sources. This converts the high impeadance, differental output of the loop to a low imeadance, single ended drive for the coax. Power is sent up the coax with a RF choke at each end for RF isolation.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Fri, 24 Oct 1997 21:49:13 -0400
From: Ken Freedman <n1qqv@cshore.com>
To: qrp-l@lehigh.edu
Subject: [29589] Fox: New England Pack
Message-ID: <3.0.32.19971024214353.0079f1f0@cshore.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I certainly cannot claim to be a fount of Fox Hunting wisdom, but this is my third season as a pack member and I have drawn some conclusions from the experience gained therefrom. To wit:

Those of us in New England ain't never gonna' win all the marbles.

The reasons are varied, and most of them have been mentioned in posts already. If you want a real shot at Top(Fox)Gun then you need to move to the geographic center of the country, buy a mountaintop lot, put up a 150' tower with a 40 meter quad on top and buy the best receiver you can afford.

Since this is not a practical move for me, I have adopted a different strategy. The first year, I nailed six or seven hides to the shack wall. The second year I got REALLY serious about my feedline and antenna. The result was a quantum leap; Fox fur all over the shack. This summer I found a used TS-930S. It's an older design, but read the receiver specs. The RX sensitivity was 20 DB down(!) and I was able to drive a pretty good bargain for it. I found a cold solder joint in the RF amp section and with the addition of the second 500 hz filter I have a top notch set of ears.

My goal is to work one more Fox then I did last year. And by the

way, I'm watching the rest of you Yankees pretty closely!

     Is your glass half full, or half empty?

73, Ken

Ken Freedman
AKA: N1QQV/QRP VE, EC Madison CT, QRP-L
Living Proof That, "You don't have to be a blonde to be light headed!"

Date: Fri, 24 Oct 1997 21:56:39 -0400
From: "Greg K. Pollard" <cwgreg@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [29590] NorCal paddle specs?
Message-ID: <3.0.1.32.19971024215639.0068744c@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A question for all who has their new paddles.
I dopped my order in the mail last Saturday. Now I would like to start on
the rosewood paddles and need to know the width dimension where they attach
to the brass?

TU es 73
Greg W8XP FISTS nr1977

Date: Fri, 24 Oct 1997 23:00:48 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [29591] Garcia Marquez repeat request
Message-ID: <971024225804_-467239332@emout03.mail.aol.com>

Gang,

Short and country simple: Someone sent me email about reading Garcia Marquez
and I magically deleted it. Badgers made me do it.

Would the sender of that missive please repeat it so I can try to delete it
again?

Please?

73
Nils
WB8IJN &c
 . . . uh . . . ok.

Date: Fri, 24 Oct 1997 20:08:01 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [29592] NorCal Paddle Mod
Message-ID: <2.2.32.19971025030801.00b0336c@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yep, got my paddle together.

Polished this brass beauty with Semi Chrome and what a

gorgeous finish.

Even picked up a white powder coated base

from Doug Hauff at Custom Enclosures (Nice, Very Nice)

OK, other than adjusting, what can I do now to make MY

key distinctive. Hmmmmmmmm?

Different paddles? Maybe...

Ahhhhh...

Took the center piece to the local trophy shop and bingo!

WA6OWR engraved and standing tall on the key...

OK, your turn, what have you done to yours?

72,,,Jerry...WA6OWR...K

ps...word is that there will be plenty of paddles made so

get your order in to Jim Cates....

Date: Fri, 24 Oct 1997 23:56:39 -0400
From: Ken Newman <n2cq@comten.com>
To: njqrp@njqrp.org, QRP-L@lehigh.edu
Subject: [29593] Contest Software Survey
Message-ID: <1.5.4.16.19971025034952.1aef8890@mail.comten.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi QRP Contesters,
  There has been a great bit of interest in the software being used
in the Fall QRP ARCI Qso Party. Several have posted their info
before but anyone that would like to add their input about what they
are using and what details about their favorite choice they can add.
  This good information would be displayed on the NJQRP Web Contest page
for all the world to see.
Maybe the NJQRPeaNuts will be in the Contest Club category! (Naw, really?)

72/73,
Ken Newman, N2CQ
Woodbury, NJ
N2CQ@Comten.com

Date: Sat, 25 Oct 1997 00:13:01 -0400
From: Paul Helbert <phelbert@rica.net>
To: jparker@fix.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29594] Re: NorCal Paddle Mod
Message-ID: <345171CD.49855094@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry Parker wrote: OK, your turn, what have you done to yours?

We'll have to wait for the NorCal kits. For my Bencher paddles I made a combination dust cover and support (housing) for the CMOS Superkeyer II. Looks sort of like a Quonset hut with the buttons up on top so I don't have to go looking for them. Might try that again with one of these.

Years ago I spent half a decade in Morocco. They did some beautiful iron and silver work in the old city of Fez. I have an iron vase which is black (a sort of blueing (?)) with the silver wire beaten into it. Damascus work I think. Look around the internet under metal finishing. Fascinating stuff, and we have all winter to study and to work on it.

I bet a soapstone base would look great with garnet bearing black mica paddles or put the whole shebang into an ebony box with only ivory paddles sticking out. Too bad silver and brass tarnish...guess it'll have to be gold

Boy this is a good kit idea. I was ready for a $30.00 vector impedance meter but guess that'll have to wait another year.

72,

Paul Helbert, Wv3j

>

Date: Fri, 24 Oct 1997 23:42:51 -0500 (CDT)
From: "Bruce C. Williams" <n9jcv@wwa.com>
To: qrp-l@Lehigh.EDU
Subject: [29595] Help xref zener
Message-ID: <Pine.BSI.3.95.971024234110.5642A-100000@shoga.wwa.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am fixing a monitor. I have a defective zener diode. The marking is c18ph. Unfortunatly I do not have a schematic available. Can anybody tell me what this zener is. I tried NTE but had no luck.

Thanks in advance
Bruce N9JCV

Date: Fri, 24 Oct 1997 23:45:04 -0500 (CDT)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@listserv.lehigh.edu
Subject: [29596] REPOST: JOY back on the street ... Hot Damn!
Message-ID: <Pine.SOL.3.94.971024233955.14042A-100000@sundance>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

I hate to take up bandwidth with a reposting of the original 10/10/97 announcement that JOY OF QRP is once again available. But apparently many on the list missed it and have been e-mailing for info. So, please excuse this reposting -- illustrates a difference between the "old world" of printed announcements which stay until tossed out and the "new world" of electronic texts which cost nothing and some kB are gained when they're dumped!
==========

>From aweiss@sunflowr.usd.edu Fri Oct 24 23:39:11 1997
Date: Fri, 10 Oct 1997 14:22:36 -0500 (CDT)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@listserv.lehigh.edu
Subject: WA8MCQ: "JOY is back on the streets--Hot Damn!"

KI6DS: "a monumental event in the QRP world!"

Well gang, I can make it official: the books are here and I'm ready to ship (as soon as I get some envelopes!).

After a decade of waiting and wanting, THE JOY OF QRP: STRATEGY FOR SUCCESS, second edition, is a reality. A lot of QRP books have come and gone, but this one has been described as "the classic", the "bible of QRP operating" by many QRP'rs. Those of you who weren't on the QRP scene when it was first published have no doubt heard about it. Every so often, I've heard of atrocious prices being paid for a copy -- and I understand that some QRP'rs have "open contracts" out looking for a copy. Some QRP'rs have mentioned that if another edition ever comes out, they'll buy one

copy for themselves and several extra just as "an investment" -- sort of like the stock market, I guess.

At any rate, It has taken me a long while to get into a position to be able to republish JOY. When I finally did last fall, I had to deal with the issue: "to rewrite or not to rewrite" the book. I had periodically thought that I'd rewrite it and expand various sections, but after trying that tack, I accepted the fact that JOY is a classic because it is a tightly woven fabric. To muck around with the way it flows would simply muck up its effectiveness and clarity. So, I decided to republish it "as is". I have added 12 pages: an update of the Club Information; a new section on the WEB and Internet resources; updating suggestions for the Viking-5 and v.f.o.'s; further thoughts on SWR and antenna efficiency; the final Milliwatt DXCC Trophy Program Awards List; and reviews of THE HISTORY OF QRP.

The second part of the title describes the approach of the book. To be successful, a QRP operator has to "think it through". That means that the various complex relationships among power, antenna, and ionospheric propagation must be learned and applied to the given situation. JOY shows the QRP operator how to do that.

We're all aware of the fact that the new cycle is finally picking up steam and the conditions are only going to get better for several years. What a great time to be a QRP'r! Let's talk about breaking DX pile-ups and transcontinental NET QNI's! In a couple of years, the world will be ours! ==I just have to toss in a couple of my "peak" experiences of the last cycle-- even though I'm supposed to be selling books right now!==

At any rate, I headed down to Hernanda, FL back in Jan., 1988 -- I had to winterise my mobile home in -30F, wearing my snowmobile suit and moonboots etc. In Hernando, I checked into a motel around 1700, took out my 10-speed, and headed up the road. Fantastic - 75F! ABout three miles out, I crested the peak of a hill and noticed this incredible "L" shaped stand of 100ft. pines and instinctively thought (as any QRP'r does, since we're always on the lookout for "perfect" antenna set-ups!), "Holy cow, probably 400-ft from tip to tip!" Believe it or not, nestled along the long-part of the "L" were 6 cement-block cabins, and a stop at the "Manage" revealed that one cabin was open. I promised to be back in a half-hour with a month's rent -- no need to debate the wisdom of that! The long-n-short of it -- QRP heaven. First order of business -- bike-riding the next day. Believe it or not, I'm out on this beautiful FL country road pedaling along and begin to get this peripheral vision sense that something blue had been there for a really long time. Turned out to be about a quarter-mile of blue fiberglas rope that had unraveled as it wound itself off the reel on

a truck driving along the road! Off to Radio shack for wire. Slingshot and sinkers out of the trunk, and shortly I had a 350-ft longwire up about 100ft!

Well, you can imagine the rest of the story. First-hop reflection point = pure seawater in all direction but northwest. Very low angle of radiation on the high bands. Let's forget about the high bands and talk about 80 and 40 meters with the Argo. Beginning around 2300, 80 and 40 opened to EU and SA. Forget the latter. At first, as is usual with the QRP attitude "heck give it a try, nothing to lose", I took a couple shots at YU's and OK's and such. Surprise -- they all came back with good signal reports. Probably a fluke... But then I started generated mini-pileups -- east EU's calling me and waiting in line for a shot at me! That was the closest I'll even get to the experience of operating from some rare reef! It is still hard to believe.

But that wasn't the best. I moved down to Anna Maria Island just south of Tampa bay -- absolutely no decent antenna supports around. So, I kept the Hustler mounted on the '66 Tempest, and to operate, I'd just drive to this very scenic spot on the bay. DX contests were rough, but at least I was working some DX. Then one afternoon during some QRP QSO party, 20m opened to EU and I managed, with difficulty, to work some of the QRP'rs over there. I had extreme difficulty with one G who kept calling me -- he was just a hair of a whisper in the noise floor. Finally we got everything straight but his power, which I kept interpreting as "5(sizzlecrackleqsb)W". He was just playing with me, seeing if
I was good as I usually pretend to be at copying weak signals. Finally, he ran a long string of repeats and I couldn't believe it -- I was missing the "m" in the power -- he was running 5Mw! Now I've heard about these milliwatters, but I never actually worked one until then. 5mw across to Atlantic to a Hustler on a '66 Tempest -- it hardly gets better than that! After we succeeded, he went QRO to 2w and confirmed it!

So, that's the kind of stuff we're looking at -- maybe not as good since the last cycle was a whopper, but compared to the last several years it will seem like shooting ducks in a barrel -- if you know how to capitalize on conditions, antennas, etc -- OK, I'm getting back to peddling books now. JOY will help you do that.

Here's another old review from 1986. Ironic that even back then everyone was waiting for the book!

==========
WIRELESS (U.K.)

} ^]THE JOY OF QRP- STRATEGY FOR SUCCESS
We have waited for this book for a long time! When the G-QRP CLUB CIRCUIT HANDBOOK was first published in 1982, we thought it would be out about the same time as a major book on QRP operation by W0RSP. The book has now appeared and is soon to be available in the UK. Adrian Weiss is perhaps the best-known figure among QRP operators in the USA. He is QRP Editor of CQ Magazine and was for many years the publisdher of THE MILLIWATT, the first maateur radio magazine devoted to low-power operation. He is also sponsor of the MILLIWATT DXCC awards for under 5-watt and under 1-watt low-power operation.

The book attempts to give an overall treatment of the subject of low-power working on the hf bands. It includes an historical introduction to low-power radio communications, and goes on to describe how to approach operating on the amateur bands with QRP. The book also contains a section on converting QRO equipment for low-power operation and building QRP equipment, including some practical circuits backed up with a p.c.b. service. There is an excellent section on techniques for operating with low power, and strategy and planning for hf band operation. The book concludes with a chapter on measurements with circuits for building suitable instruments for QRP operation.

I am most impressed both with the scope and content of the book. Anyone thinking of trying low-power operation on the hf bands, or even currently using QRP, should benefit from reading this book. The sections on objectives, planning and operating techniques, band selection and propagation would help any radio amateur, whatever power is being used by his station. It is good practical advice of the type more often acquired by experience or through the advice of others, than seen in an amateur radio publication.

==========
 If you want a copy of JOY OF QRP, here's the ordering information.

Order from:

Adrian Weiss
526 N. Dakota St.
Vermillion, SD 57069

Price:

$23.00 First Class Mail
$26.00 Foreign

$15.00 Senior Citizens (65+)

$40.00 Two copies (to same address)

First 100 copies numbered and autographed by me (hey, that's what
the famous authors do to boost sales, so why not try it?)
(SORRY -- THE NUMBERS RAN OUT A WHILE BACK!)

Special Deal

$33.00 JOY OF QRP and HISTORY OF QRP IN THE U.S. (normally $15)

Date: Sat, 25 Oct 1997 00:59:01 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: jskalski@acsu.buffalo.edu
Cc: qrp-l@Lehigh.EDU
Subject: [29597] Re: 1SS101? diode
Message-ID: <8525653B.001ADABD.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

The 1SS101 Diode is listed as "VHF/UHF Mixer/CATV usage, 70v PRV, 15ma,
150mw, Ct = 2pf" and is available for $0.84 each from Pacific
Semiconductor. Don't know what their minimum order, etc is offhand. Pacific
is in Canada, but they have 40 in stock per their online web catalog.

Checkout http://www.pacificsemi.com/index.html

I used to get lots of Japanese semis from a company in, I think, Ohio
called Fuji-Svea, but I don't know what happened to them. If anyone knows,
I'd like to hear.

Hope this helps. Watson/WB4EXW

Date: Sat, 25 Oct 1997 00:39:23 -0400
From: "Daniel L. Evans" <dlevans@hsonline.net>
To: QRP-l@Lehigh.EDU
Subject: [29598] Re: How to use QRP Ten Tec on 6M
Message-ID: <3.0.1.16.19971025003923.29afde28@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:33 AM 10/24/97 -0500, you wrote:
>>Ch. 2 is so close to 6m band that when you pick up a fuzzy signal on it
from a
>distant TV station, then you know 6m is likely open.
>
>Let's use 6!
>Stuart K5KVH
>rohre@arlut.utexas.edu

I have a scanner that stays on about all of the time. I have 52.525 in
memory, so I often hear stations when the band opens.

Now, if I just had a 6 meter tranciever!

72/73 de Dan, N9RLA.....EM78

P.S. This works well on 10 meters as well, if your scanner is capable...
Dan L. Evans [N9RLA]
dlevans@hsonline.net

Date: Fri, 24 Oct 1997 12:39:00 +0300
From: INTERNET BUSINESS CENTER <ibc@omega.bg>
To: qrp-l@Lehigh.EDU, "Lageson's" <LAGESON@worldnet.att.net>
Subject: [29599] Re: [29461] Copper to Aluminum, HOW?
Message-ID: <199710250538.IAA24581@mail.omega.bg>

Jim don't do this. Copper and aluminium are metals which don't like
each other. Under any straces of water (even from the air) there is
chemical reaction between copper and aluminium. The result is some

kind of oxide. It is not conductive and this is usually the reason
for bad joints in the antenna.

I use to cover copper with tin. (using solder iron). Tin and
aluminium are "friendly" metals and the joint lasted for many years
even under very agresive environment.

Hope this helps.

72, Harry Popov LZ1BB

>
>Now that temps are below freezing I thought I would get around to some
>antenna work. I am going to put up a older triband beam, the center
>connector of the coax connects directly to the element. What is the best
>way to connect copper to aluminum with it being exposed to the elements
>(acid rain)?
>
>Being a wire antenna guy all my life I sure hope all this work is worth it.
>Any other advise on putting up a used beam would be great.
>
>72's Jim   N0UR
>

____
Editor of The QRP Digest   -   E-mail ham radio newsletter for low
power enthusiasts. Issued twice per month. QRP news and information
To subscribe: <mailto:ibc@omega.bg> Subject: SUBSCRIBE QRP-D

Date: Sat, 25 Oct 1997 01:26:11 -0600
From: "Basil (Darin) Arrick" <basila@OnRamp.NET>
To: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>, qrp-l@Lehigh.EDU
Subject: [29600] Re: 1SS101? diode
Message-ID: <199710250624.BAA08296@mailhost.onramp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> The 1SS101 Diode is listed as "VHF/UHF Mixer/CATV usage, 70v PRV, 15ma,
> 150mw, Ct = 2pf" and is available for $0.84 each from Pacific
> Semiconductor. Don't know what their minimum order, etc is offhand. Pacific
> is in Canada, but they have 40 in stock per their online web catalog.
>

> Checkout http://www.pacificsemi.com/index.html
>
> I used to get lots of Japanese semis from a company in, I think, Ohio
> called Fuji-Svea, but I don't know what happened to them. If anyone knows,
> I'd like to hear.

Since I'm trying to track down some Japanese semis here in the US, I looked
up your supplier on the Internet. The only thing I found was:

Krista Manufacturing/Fuji-Svea Inc.
11100 Hope Street
Cypress, CA. 44139
Tel : (714) 898-0800

Their web page is all about computer components (motherboards, video cards,
floppy drives, etc.). I didn't see anything about semis.

Basil, KB5KHR

+----------------------+---+
| Basil (Darin) Arrick | P.O. Box 820054, North Richland Hills, TX, 76182 |
+----------------------+-----------------------+-------------------------+
basil@orthodox.net	Orthodox Christian	http://www.orthodox.net
basil@homestead.org	Homesteader/Farmer	http://www.homestead.org
ICQ # 3352463	ICQ User	http://www.mirabilis.com
	Microsoft NetMeeting	ils.family.four11.com
KB5KHR	Amateur (Ham) Radio	EM13ja
+----------------------+-----------------------+-------------------------+

Date: Sat, 25 Oct 1997 00:48:32 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU
Subject: [29601] Re: Contest Software Survey
Message-ID: <199710250648.AAA13215@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Ken--

Well, I used M*Log of course, since I designed it, wrote it, and sell
it [g]. This sort of looks like an ad, but a) I haven't advertized
anything here for a long time and b) you have a delete key [g].

Here's the info, in case anyone's interested, and you'll find a sample screen shot on the web page: http://www.mtechnologies.com/mthome

M*LOG

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...and all of your other logging, QSL, and award requirements.

M*LOG is a full-featured application for the automation of Amateur Radio and SWL log-keeping, and is widely regarded as the best general purpose logging software available. It is user friendly, flexible, and powerful. Six special fields (that you can define and report on) make it possible for M*LOG to be used for any contest, and state-of-the-art database and compiler technology make this a log-keeping system of unparalleled performance and flexibility.

M*LOG provides for unlimited QSO records in an unlimited number of discrete log tables, so logs for different purposes can easily be maintained. Performance is blindingly fast, and the only practical limit to data storage is available disk space.

The recorded details of each log entry can be as simple or complex as you want. Only the callsign is actually required, or you can enter everything you need to know about a QSO, and then some. In addition to the "standard" data such as time, date, operator, QTH and so on, M*LOG offers equipment fields for rig, power, and antenna used; Country field (automatically filled in when you enter a callsign); four on-screen remarks fields of 60 characters each; six user-definable fields for State, County, affiliations, contest exchanges, or any other data you want to track; unlimited text notes for each QSO, and direct access to external callbook databases.

Contest Mode features auto-time, dupe checking, and serial numbering. Four standard
report formats are provided (including confirmation reports), and you can produce a report in virtually any order or format you want, by creating a coded "template" file.

QSL cards, data files, or labels can be produced in standard formats, or they can be completely customized. M*LOG directly supports and imports data from the QRZ! and World of Ham Radio callbook databases and indirectly supports others.

M*LOG requires an IBM compatible PC with 640Kb Memory running any version of DOS (from 2.10 onward) or Windows.

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(303)752-3382
--

Date: Sat, 25 Oct 1997 01:53:57 -0500
From: n5inz@juno.com (John M Andrews)
To: QRP-L@Lehigh.EDU
Subject: [29602] Re: 1SS101? diode
Message-ID: <19971025.015357.3222.3.N5INZ@juno.com>

Try a 1N82. If you can't find one, contact me direct.

72, John- N5INZ

N5INZ@juno.com
Member Austin QRP Club
"Serving QRPers in Southern Texas"

Date: Sat, 25 Oct 1997 10:47:24 +0300
From: INTERNET BUSINESS CENTER <ibc@omega.bg>
To: qrp-l@Lehigh.EDU
Subject: [29603] Re: [29567] RE: How to use QRP Ten Tec on 6M
Message-ID: <199710251032.NAA25679@mail.omega.bg>

I use to monitor the calling freq. on 50MHz. Use separate RX
connected to your transverter. In this way I catch even a straces
of propagation. From time to time I do check beacons too. This
method works fine in Europe, but depends on the activity.

One indicator that sporadic-E opening reach 6M is the dead zone on
10M. When a closer then ussual stations appear, swich on 6 and
even 2M. For me a good indicator is when I hear stations who are
less then 500Km away with solid signals.

Hope this helps.

72, Harry Popov LZ1BB

Editor of The QRP Digest - an Internet ham radio newsletter for low
power enthusiasts. Issued twice per month. QRP news and information
To subscribe: <mailto:ibc@omega.bg> Subject: SUBSCRIBE QRP-D

>
>Stuart and group
>
>I have posted this befor, 6m is only open 2 to 3 months per year !! You have
>to listen every day!! If you work till 5pm fine, start monitering when you get
>home, till you go to bed!! The band can open up into very small areas so call
>CQ, listen for beacons etc. Usually the end of may, ,june and july is the
>summer E season. Up in minn. we usually get and E opening in dec and jan also.
>The southern states will get more. Most people already have a 10m rig ,when
>10m get's very loud in the summer check 6m for signals.With the F2 season
>coming on strong, and you hear strong 10m sigs also check 6m for dx,back
>scatter east to west coast openings etc. This usually starts in late oct. The
>TE season also starts about the same time, the east coast and southern states
>usually does very well with TE link ups. If you listen to WWV and K index
>gets to K4 and you live in the northern states point your beam north and look
>for aurora!! By bouncing your signal off the aurora curtain. Auroral E also
>can happen at this time you will notice this by the sound of the station you
>are working (it sounds more normal vs aurora which sounds muffled) and your
>beam heading is more direct path. SSB works very well on aurora on 6M however
>qrp is a challenge and CW is always best. The morning after a good aurora
>point your beam south and look for central /south america stations....73 chuck
>k0gjx
>
>----------
>From: owner-qrp-l@Lehigh.EDU on behalf of rohre
>Sent: Friday, October 24, 1997 10:33
>To: Low Power Amateur Radio Discussion
>Subject: How to use QRP Ten Tec on 6M
>
>The Ten Tec reflector and qrp-l posts often mention the Ten Tec 20M to 6M
>transverter that allows a QRP rig on 20 to be used on 6M.
>
>Those new to 6M often wonder how to know when 6m is open, as they may check it

>at random for days and NOT hear a thing, nor get answers to CQ's.
>
>I mentioned an idea to a new 6M ham that I had heard over the years in VHF
>magazines and used at times, and will pass it on for what it is worth. (This
>is in reference to the USA TV channel assignments.)
>
>You can easily buy a cheap black and white TV at garage sales, flea markets
>etc. Something like the 5 or 6 inch jobs. Then, make yourself an omni
>directional antenna for Ch. 2. (Like a vertical ground plane).
>
>Ch. 2 is so close to 6m band that when you pick up a fuzzy signal on it from a
>distant TV station, then you know 6m is likely open. Of course, if you have a
>local Ch. 2, this does not work. But, with the audio turned down, you could
>leave your Ch. 2 monitor on in your shack when you are doing other things, and
>if a video signal starts to show up, it would be good to check the 6M band for
>activity or start calling CQ yourself to raise some. If you can identify the
>city the Ch. 2 distant signal is originating from, you can rotate your beam to
>take advantage of the possible propagation from that direction.
>
>Let's use 6!
>Stuart K5KVH
>rohre@arlut.utexas.edu
>
>

Date: Sat, 25 Oct 1997 10:54:41 +0300
From: INTERNET BUSINESS CENTER <ibc@omega.bg>
To: qrp-l@Lehigh.EDU
Subject: [29604] SST Schematic
Message-ID: <199710251032.NAA25682@mail.omega.bg>

Could some one send me the schematic of SST? I did hear good things
for this construction and as it is not avaliable in Bulgaria,
perhaps I could duplicate it home brew.

Thanks in advance.

72, Harry Popov LZ1BB

Harry Popov
P.O.Box 87
Sofia-1618
Bulgaria

Editor of The QRP Digest - E-mail ham radio newsletter for low power enthusiasts. Issued twice per month. QRP news and information To subscribe: <mailto:ibc@omega.bg> Subject: SUBSCRIBE QRP-D

Date: Sat, 25 Oct 1997 08:15:43 -0400 (EDT)
From: fmathews@norfolk.infi.net (Frank Matthews)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29605] Pixie2 Revision
Message-ID: <v01530500b0775bf29513@[208.131.170.36]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

WOW!!!!!!

I didn't realize so many of you out there were fans of the Pixie2! The response to the revised pc board was tremendous. I sent that post while at work Friday but forgot to bring a copy of the file home for use this wekend. I WILL answer everyone's request for the file when I return Monday. So....look for it after lunchtime in your e-mail.

Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
Chesapeake, VA 23320
fmathews@norfolk.infi.net
KC4FKX QRP-L #1079 CQC #434 NorCal #2232 AK/QRP #199
Grid Square FM16

Date: Sat, 25 Oct 1997 07:32:41 -0500
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [29606] Armadillos
Message-ID: <3451E6E9.528C@swbell.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1997 TEXAS ARMADILLO CHASE

SPONSOR: TEXAS YAHOOS

WHEN: 2100Z OCTOBER 26 - 0100Z OCTOBER 27 (4 HOURS)
(3PM - 7PM CENTRAL TIME)

BANDS: 10 - 160 METERS (NO WARC BANDS)

MODE: CW ONLY

CATAGORIES: SINGLE OP ONLY
HIGH PWR = 1W - 5W
LOW PWR = <1W

EXCHANGE: RST - S/P/C - NAME
NAME MUST BE THAT BY WHICH YOU ARE COMMONLY KNOWN.

POINTS: QSOs WITH TEXAS STATIONS COUNT 5 POINTS. QSOs WITH NON-TEXAS
STATIONS COUNT 1 POINT. STATIONS MAY BE WORKED ON MULTIPLE BANDS
FOR QSO POINTS AND MULTIPLIERS.

MULTIPLIERS: EACH UNIQUE FIRST LETTER OF THE NAME RECIEVED COUNTS AS 1
MULTIPLIER AND COUNT ONCE OVERALL. EACH S/P/C COUNTS 1
MULTIPLIER. VE/W DO NOT COUNT AS COUNTRY MULTS.
HIGH POWER COUNTS X1, LOW POWER COUNTS X2.

BONUS: WORK KR5DX FOR 3000 BONUS POINTS ONCE OVERALL.

SCORING: TOTAL QSO-POINTS X S/P/C X NAMES X POWER MULT + KR5DX BONUS =
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LOGS: DEADLINE IS 30 DAYS POST CONTEST.
SEND LOGS, SUMMARY SHEET AND NAMES SHEET TO;

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E-MAIL: k1oj@swbell.net

--

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ARCI #9492 AR QRP #64 CQC #476
  CW OR CB, ITS YOUR CHOICE!

Date: Sat, 25 Oct 1997 08:34:34 -0500
From: "William R. Moore" <wr.moore@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [29607] Re: FOX...POX...: some thoughts
Message-ID: <19971025134528.AAB27@wrmoorerpc>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I've been thoroughly skunked myself lately, while listening to Q5 Foxes and gobs of hunters. If someone hasn't already suggested this, how about the Fox cycling through the call areas one at a time. Like maybe "QRZ 1" to indicate the Fox is listening only for calls with "1" in them, then after taking 2-3 of these, "QRZ 2". If no calls are heard for a particular callsign number, move quickly to the next. This could minimize the QRM, if it doesn't confuse everybody. I've heard lots of DX pileups handled this way.

Randy, KS4L

Date: Sat, 25 Oct 97 7:04:15 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: wr.moore@worldnet.att.net
Cc: qrp-l@Lehigh.EDU (qrp)
Subject: [29608] Re: FOX...POX...: some thoughts
Message-ID: <9710251404.AA12893@wizard.ucs.sfu.ca>

Hi Randy,

Sorry to hear you've been skunked. While this is an interesting idea, from my experience last time, it will not work. Several times when I called for specific partials ie: VE3, W1 etc. Many did not listen and sent their calls anyway. Yes, I know it is used occasionally to good effect in other pileups, but in those cases there is enough time to establish the pattern, and the means of enforcement available to the

dx station ie. Black List is something we don't want to get into even
though at moments it might be tempting.

In my view, we are all learning a variety of skills. Foxes are now
having to learn pileup management in a way we never would have thought
about 2 years ago etc. As I look at the fox list, things will even out
geographically over the course of the season, and as we foxes learn to
handle our role better, more hunters will make it into the logs.

cheers, Paul
ve7cqk
email: paul1@wizard.ucs.sfu.ca

>
> I've been thoroughly skunked myself lately, while listening to Q5 Foxes and
> gobs of hunters. If someone hasn't already suggested this, how about the
> Fox cycling through the call areas one at a time. Like maybe "QRZ 1" to
> indicate the Fox is listening only for calls with "1" in them, then after
> taking 2-3 of these, "QRZ 2". If no calls are heard for a particular
> callsign number, move quickly to the next. This could minimize the QRM, if
> it doesn't confuse everybody. I've heard lots of DX pileups handled this
> way.
>
> Randy, KS4L
>
>

Date: Sat, 25 Oct 1997 10:36:00 EDT
From: w4bws@juno.com (Donald E Sanders)
To: rohre@arlut.utexas.edu
Cc: qrp-l@Lehigh.EDU
Subject: [29609] Re: How to use QRP Ten Tec on 6M
Message-ID: <19971025.104820.2367.1.W4BWS@juno.com>

On 24 Oct 1997 10:33:15 -0500 "rohre" <rohre@arlut.utexas.edu> writes:
>The Ten Tec reflector and qrp-l posts often mention the Ten Tec 20M to
>6M transverter that allows a QRP rig on 20 to be used on 6M.
>
>You can easily buy a cheap black and white TV, Then, make yourself an
>omni directional antenna for Ch. 2. (Like a vertical ground plane).
>
>Ch. 2 is so close to 6m band that when you pick up a fuzzy signal on
>it from a distant TV station, then you know 6m is likely open, and if a

video signal starts to show up, it would be good to check the 6M band for activity.
>Let's use 6!
>Stuart K5KVH
>rohre@arlut.utexas.edu
>
>
This system has been used by VHF hams and TV DX'ers for over 30 years with good results. If you have a channel 2 station not too far away you will note 6 meters is open by a herringbone pattern developing across the picture as the two channel stations start to interfere. You can also use channel 3 or 4 as an alternative for a strong channel 2. I once used channel 4 here in florida due to no local station and could see channel 4 San Juan, PR and knew the band was open
I have 5" BW tv and a scanner that monitors 52.525, 5 beacon freq's and about 15 repeater outputs on 6, 10 meter beacon and FM repeaters outputs and 29.600. This way I can hear band opinings real time. Now I need way to automatically turn rig to active freq's and work stations-HI..
Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Sat, 25 Oct 1997 20:36:29 -0600
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [29610] FYBO wx...'Snowed in' ...CO
Message-ID: <3452ACA8.33BA@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Woke up this morning to 30" of snow on my wood pile WOW! No traveling here today...the cars are barried and the 1/2 mile driveway is same! Oh well, throw another log in the stove...and enjoy some 40m cw, but I can't hear a thing in the noise....Who sez a loop antenna is quiet...I've got an S8 noise level from this snow/QRN/blizzard!! Time for that beverage ant or maybe shielded loop! But right now I need more wood...Oops the snow shovel is outside somewhere...hmmmm? I guess this a wake-up call for FYBO season ahead...Huh Joe? What's it doing down in SW...don't tell me it's sunny & dry! Guess I'll just have to fire up the solder iron and finish some undone projects (like the RIT in my HW8) and watch it snow snow snow....this is October yet? hmmmmm....need more wood. Darn that El Nino! Wxman sez clearing this PM...I'll have to

breakout the XC skiis to go get the mail...big adventure for the day!

The old wood stove is sure radiating this morn' ..anyone for a 'smoke signal' QSO ...too windy for that I guess. humph! Melting solder IS the order for today.

Snowed in!! Steve/n0tu

email:N0TU@webaccess.net
homepage <http://www.webaccess.net/~S&P>

Date: Sat, 25 Oct 1997 10:47:21 -0400
From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-l@Lehigh.EDU
Subject: [29611] Re: Contest Software Survey
Message-ID: <3.0.1.32.19971025104721.006f5b88@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:56 PM 10/24/97 -0400, Ken Newman wrote:
>Hi QRP Contesters,
> There has been a great bit of interest in the software being used
>in the Fall QRP ARCI Qso Party. Several have posted their info

     I used TRLog ver 6.12. This was the second contest I've used it in and like it. Once I got over the operator errors, I had no problem. Switching between Search and Pounce Mode and CQ Mode takes some getting used to but that just adds to its flexibility. The one thing I don't like was that all QSO's were credited as one point. But I found that it was easy to edit the previous QSO's points before the qrz, cq or exchange message completed. Which gave me something to do while that was happening.
     I also have the most current version of NA, which also has it's strengths. I haven't used TRLog enough yet to make a fair comparison but right now I have a preference for TRLog. Both authors are quick to respond to problems and fix bugs, the customer support for both is great.

My 2w worth,
72 de Rick WZ2T NNY Franklin County

On the other hand, you have different fingers.
                ---Steven Wright---

Date: Sat, 25 Oct 1997 11:11:04 -0400
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: n2cq@comten.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29612] Re: Contest Software Survey
Message-ID: <34520C06.5BEBDC75@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ken Newman wrote:

> Hi QRP Contesters,
>   There has been a great bit of interest in the software being used in the
> Fall QRP ARCI Qso Party....

Ken, I was mobile this last contest, but I normally use an Excel
spreadsheet with macros for:

1) contact entry, needing call & SPC. Every thing else is
    defaulted and can be over-written.

2) dup check.

3) call or number lookup into a contest unique database.

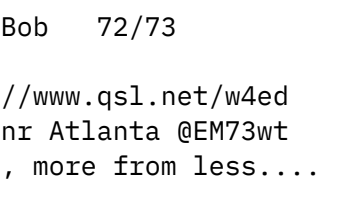
The upgrade from Win3.1 -> Win95 & Excel -> Excel 97 has
messed up the short cut key assignments, but the macros still FB.

After the contest, I use a simple sort to organize, detect dups, score

During the contest it shows a running total of QSO points.

It is faster & more accurate than doing it by hand, but probably
not as fancy as a dedicated contest program.

--



Bob   72/73

http://www.qsl.net/w4ed
W4ED nr Atlanta @EM73wt
...."QRP", more from less....
~~~~~~
~~~~~~

Date: Sat, 25 Oct 1997 09:01:01 -0700
From: Bill Todd <bill@techline.com>
To: nwq-l@scn.org
Cc: qrp-l@Lehigh.EDU
Subject: [29613] NW QRP "Graphics" NWQ now OK!
Message-ID: <1.5.4.32.19971025160101.006f8748@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello QRPers -

Last weekend, I attempted to upload the "graphics" NW QRP Club newsletter to my web page, but my server decided to go dead after about 11 PM last Friday night.

If you happened to have looked at the graphics "NWQ" this past week...you saw the result of not uploading the graphics to a web page looks like (hi).

Well, my server was in fine shape today, so I finished uploading all the articles and graphics. One note: I enlarged the type style on most of the pages, so you won't need your Granny Glasses to see the words (ha).

Page 38 is still missing the hyperlinks to the following page (page 39) - so when you get stuck on page 38, just type "/page39.html" on the location bar, and you will be able to continue to read.
I will fix it later today.

Have fun, and BCNU-
Bill-N7MFB

Date: Sat, 25 Oct 1997 11:29:47
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [29614] Paddle kit mods
Message-ID: <3.0.1.16.19971025112947.2d770b94@mailhost.ncia.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I sent in my order the other day, (and Jim, be sure to buy a beer
with the extra green stamps, you must get thursty lugging all those kits to
UPS :-)

I might get really lazy and just leave the parts "el naturel" Maybe leave
the base out in the rain for a nice rust finish :-)

Seriously, I'm thinking of taking the base down to the local auto body shop
and having them paint it a blue metal flake or whatever color they are
spraying that day. The Dremal tool and buffing wheel should make short work
out of polishing the brass.

Hmmm, might have to learn how to actually use the darn thing...

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 25 Oct 1997 11:34:18 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-l@Lehigh.EDU, cqc@aol.com, rschneid@ix.netcom.com,
zeekzilch@juno.com, jmedley@ix.netcom.com, n1fn@mtechnologies.com
Subject: [29615] Nothing Better to Do
Message-ID: <199710251735.LAA28532@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Well, I'm snowed in and have nothing better to do so I took some
photos and put them on the web page:
http://xanadu.chisp.net/users/n1fn/

Date: Sat, 25 Oct 1997 10:40:10 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [29616] Re: FYBO wx...'Snowed in' ...CO

Message-ID: <199710251740.KAA22409@usr09.primenet.com>

Howdy,

Steve (N0TU, Snowcave Op) wrote:
>
> Woke up this morning to 30" of snow on my wood pile WOW! [...]
> I guess this a wake-up call for FYBO season ahead...Huh Joe?
> What's it doing down in SW...don't tell me it's sunny & dry!

(Major moral dilemma...) Why no Steve. It's nowhere near 75F,
sunny and clear skies as far the eye can see. In fact we wouldn't
even dream of going out in wx like this to have a picnic with
my in-laws this afternoon (we're supposed to bring the sunscreen).
Nope. Just awful down here. Really. :)

Hey, we really do suffer down here to ya know. Shoot, we have
to drive 3 hours just to find a spot cold enough to operate FYBO
from. :) Good point on the FYBO wake-up call though. Some of
us ScQRPions and NM QRPers are already hunting for prime operating
sites - good terrain, freezing wx. Almost time to prove once again
that QRP is not for wimps. :)

But first we've gotta chase down some armadillos. I've got *big*
hopes for winning that stuffed 9-bander. I know my wife would
be *thrilled* to come home and find that on the kitchen table. :)

Stay warm out there! Sounds like a good time to play around with
ideas for personalizing a set of NorCal paddles....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
  Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Sat, 25 Oct 1997 10:03:31 -0700
From: Monte Stark <ku7y@sage.dri.edu>
To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29617] Re: Paddle kit mods
Message-ID: <34522663.6777@sage.dri.edu>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

I made my basic version of the paddles Friday PM. Look nice and feels
good. I'll get it wired up today and see how it send CW!

(I'll hook mine up to a Mode B keyer....I already know what happens when
you use them with a Mode A keyer....)   :-)

But wait till you see what I bring to PacCom next year......

Lets see, where can I hide that TIC keyer.....Hmmmmmm
--
73, Ron

NRA Life------Ex W6JXO, DL4RF, N7CRV------SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150--------DM09cg---------New Washoe City, NV

Date: Sat, 25 Oct 1997 09:44:04 -0700
From: Monte Stark <ku7y@sage.dri.edu>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29618] Re: FOX: Fox Team Standings
Message-ID: <345221D4.23A4@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe Gervais wrote:

> Aluminum amigos might even find themselves fighting
> for 4th with the Foxtail Packers and the Ole Coots.
> It's not too late to switch over to copper, guys. :-)
>

Well Joe,

I would just like to point out that we, the Aluminum Allies, being the
very nice people we are did allow two team members to use copper.

In case you are wondering who they are, just look at the scores and
notice that those who use aluminum have at least twice as many pelts as

those who use copper!

Now why would we want to switch to copper?? The data proves that
aluminum is better!

> 2) Aluminum Allies: 5.2
>
>   Hunters: KU7Y, K5FO, K1MG, N6XU, W5TFB. (Total = 5)
>   Total Pelts: 6 + 3 + 7 + 7 + 3 = 26
>

Viva Aluminum!
--
73, Ron

NRA Life------Ex W6JXO, DL4RF, N7CRV------SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150--------DM09cg---------New Washoe City, NV

Date: Sat, 25 Oct 1997 09:07:12 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29619] Re: Contest Software Survey
Message-ID: <Pine.SUN.3.90.971025090512.14945E-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 25 Oct 1997, Marshall Emm wrote:

>
> Hi, Ken--
>
> Well, I used M*Log of course, since I designed it, wrote it, and sell
> it [g]. This sort of looks like an ad, but a) I haven't advertized
> anything here for a long time and

Without some form of advertizing we would never know about any of
the nifty things out there!

I don't mind it at all! cul,

73, Ron,   SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 25 Oct 1997 10:43:12 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [29618] Armadillo Sprint - Prizes?
Message-ID: <199710251743.KAA22521@usr09.primenet.com>

Howdy again,

Could someone please point me too the Armadillo Sprint
prize list? I seem to recall some pretty nifty items
up for grabs, and it sure would put a dent in my holiday
shopping needs. "Merry Christmas Mom! What? It's an
armadillo. Yeah, they're great - jump up like popcorn,
roll up in balls, carry leprosy, best house pet you'll
ever have." :-)

Thanks!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
  Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Sat, 25 Oct 1997 11:49:38 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Monte Stark <ku7y@sage.dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29618] Re: Contest Software Survey
Message-ID: <199710251749.LAA29710@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Ron--

>>Without some form of advertizing we would never know
about any of the nifty things out there!
<<

Thanks for that! Chuck bailed me up at Dayton and said there was too
much advertizing and he was only going to allow one ad a month. I
had only been doing about that, and personally didn't think new
product notices should count as ads anyhow. But I did get all
self-concious about it and probably should do more. After all,
without advertizing, there's no "industry," and probably no hobby
[g].

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
http://www.mtechnologies.com/mthome
(303)752-3382
--

Date: Sat, 25 Oct 1997 10:50:27 -0700
From: K6MW@worldinfonet.com
To: mgemm@mtechnologies.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29618] Re: Nothing Better to Do
Message-ID: <34523163.3456@worldinfonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marshall,

I live in Calif...What's snow?

Stay warm

73, mike

Date: Sat, 25 Oct 1997 13:23:12 -0500

From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [29619] Texas Armadillo Chase....Prize List
Message-ID: <34523910.55C3@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy Y'll from Armadillo OJ.
Prizes? Well let me tell you about prizes. The current prize list
consists of the following:
1 Texas nine bander
1 Box of Armadillo droppings
1 Texas passport
1 Roadkill cook book
1 Texas territories map
1 Texas tour guide book
and several other smaller prizes. The Texas nine bander goes to the top
QRP non-Texas finisher. The Texas territories map goes to the top QRP
Texas finisher. The other prizes have not yet been designated because
the prizes are still being collected. There are certificates for the top
three finishers in each class, QRP, QRPP, for both Texas and non-Texas
stations. Also each Texas station that submits a log will recieve a
special certificate. These are first rate certificates worthy of frames
and wall space.
Snow or sunshine not withstanding, jump in and have some fun!
CU---OJ---K1OJ
KR5DX--TEXAS YAHOO, QRP Division
..

OWEN'OJ'QUARLES   <k1oj@swbell.net>
HOUSTON, TEXAS   QRP-L #732
ARCI #9492 AR QRP #64 CQC #476
  CW OR CB, ITS YOUR CHOICE!

Date: Sat, 25 Oct 1997 13:56:45 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [29620] Re: Nothing Better to Do
Message-ID: <3.0.1.32.19971025135645.006e0410@codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:50 AM 10/25/97 -0700, you wrote:
>Marshall,
>
>I live in Calif...What's snow?
>
>Stay warm
>
>73, mike

Hey, we are cozy - can't get the doors open to get cold &^).
Seriously, I have 6 foot drifts on my deck - way above the railing.
If it gets much more tonite, I may get out and relieve a bit of the
snow from the windows so I don't end up with too much pressure against
my windows and doors. The snow blower is ready in the garage, but I
am not ready.

72 - john - n0hj

John A. Evans   Chief Systems Administrator
Office: (719) 528-1800 x164   Titan Software Systems
Fax: (719) 528-1888   1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

Date: Sat, 25 Oct 1997 13:09:13 +0000
From: Roger Hightower <n7kt@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [29621] CT software web site
Message-ID: <3451EF78.A2F20E90@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was looking for updated *.DAT files for my version of CT, and found
this site:

http://www.contesting.com/ct/

All the updates and info you could hope for.

--
72/73, de Roger, N7KT
AK-QRP 167, ARCI 8946, CQC 176, GQRP 9081, NE-QRP 383, NORCAL 1099,
QRP-L 62

Date: Sat, 25 Oct 1997 15:11:08 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [29622] RE: nothing to do
Message-ID: <199710252011.PAA05438@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Enjoying the posts however I do think the spelling should be done correctly, to a point. That point being that snow is really spelled SNEAUX.

At least that is cajun correct, such as phi-deaux, rain-beaux.

maine QRP is now on 40 mtr about 7.035 +- wa5cvm 20:13Z

god bless
joel

God Bless
Joel

WA5CVM
Joel Denison Gentle Lady (RC Sail Plane)(049 engine - high start)
81 High street 40 mtr dipole up 40ft
Farmington, Maine 04938 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com AK/QRP 109

Date: Sat, 25 Oct 1997 14:21:00 -0600
From: n0bf@juno.com (Stephen C Stuntz)
To: qrp-l@Lehigh.EDU

Subject: [29623] Taiwan qsl
Message-ID: <19971025.142100.8630.1.n0bf@juno.com>

I qso'd a Taiwan station yesterday es he (yong) gave me his adress. Do
any of you know how I should exchange qsl's directly with him?

Stephen Stuntz n0bf@juno.com
cqc #18 arci #3782

Date: Sat, 25 Oct 1997 15:47:02 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: K6MW@worldinfonet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [29624] Re: Nothing Better to Do
Message-ID: <199710252146.PAA20980@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>I live in Calif...What's snow?
<<

You'll find out. All Californian's eventually move to CO, they tell
me.

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
http://www.mtechnologies.com/mthome
(303)752-3382
--

Date: Sat, 25 Oct 1997 16:49:22 -0500
From: "Fred Bennett" <fbennett@iquest.net>
To: "Qrp-L" <qrp-l@Lehigh.EDU>
Subject: [29625] 40M Crystal for HW 9 FOUND !!
Message-ID: <199710252200.SAA24342@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0

```
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_0000_01BCE165.F1E08160"

This is a multi-part message in MIME format.

------=_NextPart_000_0000_01BCE165.F1E08160
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

        Hi Folks

  I finally found a source for HW 9 crystals. "PR" Crystals

advertise in QST. The 40M crystal (21.830 Mhz) took about

a week to get here. The frequency seems to be right ON !!

Their number is 712-323-7539. It cost me $10.50.

THANKS to ALL who responded to my pleas for help on the list.

  YEA, I GOT 40M AGAIN !!!    73.........de.........Fred  N9TA


------=_NextPart_000_0000_01BCE165.F1E08160
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html;charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1008.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<P><FONT color=3D#000000 face=3DArial=20
size=3D2>        Hi Folks</FONT></P>
<P><FONT color=3D#000000 face=3DArial size=3D2><FONT>  I finally =
found a source=20
for HW 9 crystals. &quot;PR&quot; Crystals</FONT></FONT>
<P><FONT color=3D#000000 face=3DArial size=3D2><FONT face=3D"">advertise =
in QST. The 40M=20
crystal (21.830 Mhz) took about</FONT></FONT>
<P><FONT color=3D#000000 face=3DArial size=3D2><FONT face=3D"">a week to =
```

get here. The=20
frequency seems to be right ON !!</FONT></FONT>
<P><FONT color=3D#000000 face=3DArial size=3D2><FONT face=3D"">Their =
number is=20
712-323-7539. It cost me $10.50.</FONT></FONT>
<P><FONT color=3D#000000 face=3DArial size=3D2>THANKS to ALL who =
responded to my pleas=20
for help on the list.</FONT>
<P><FONT color=3D#000000 face=3DArial size=3D2> YEA, I GOT 40M =
AGAIN=20
!!!   73.....de.....Fred =
N9TA</FONT></BODY></HTML>

------=_NextPart_000_0000_01BCE165.F1E08160--

Date: Sat, 25 Oct 1997 15:56:08 -0700
From: cleveland@usa.net (Grover K7TP)
To: qrp-l@Lehigh.EDU
Subject: [29626] Time to unload some of this stuff
Message-ID: <v02130500b07828133ff3@[208.25.61.110]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm finding myself in a qrp slump at the moment so must part with some of my station to fund another project.

HW-8 with several modifications from the Hotwater Handbook, including hotter receiver, higher power output (~4w), dial light, and so on. $100

Explorer II on 30 meters with built-in Curtis keyer and fabulous LED swr "meter". This is a beautiful rig currently set to 950mW, but it will run higher of course. $120

Radio Shack DSP with box and bracket. $15

KAM with v4 software (I think); no box, no manuals, no connectors, but quite clean and works well. $100

All prices firm. Plus a few bux for UPS.

Thanks in advance,

Grover
K7TP

- - -
Phillip "Grover" Cleveland K7TP (ex WT6P, KC7IW, WA6WJV)
QRPARCI 3795 / ARS 101 / Norcal 216 / QRP-L #669/ Alaska QRP #60
Archaeoferroequinologist / Fairmont Speeder Pilot
Certified Steam Locomotive Fireman / Certifiably Loony
www.jps.net/groverc

End of QRP-L Digest 889
****